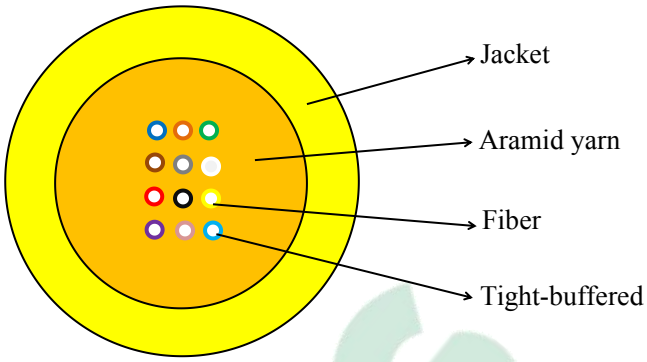
FURONG CABLE CO., LTD.

# GJFPJH/V/U

# Distribution Indoor Cable

## Profile View




## Fiber Parameters

| No. | Items | | Unit | Specification | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | SM | OM1 | OM2 | OM3 | OM4 |
| 1 | Mode Field Diameter / Core Diameter | | μm | 9.2±0.4<br>10.4±0.5 | 62.5±2.5 | 50±2.5 | 50±2.5 | 50±2.5 |
| 2 | Cladding Diameter | | μm | 125.0±0.7 | 124.8±0.7 | 124.8±0.7 | 124.8±1.0 | 124.8±1.0 |
| 3 | Cladding Non-Circularity | | % | ≤0.8 | ≤0.7 | ≤0.7 | ≤1.0 | ≤1.0 |
| 4 | Core-Cladding Concentricity Error | | μm | ≤0.6 | ≤0.5 | ≤0.5 | ≤1.5 | ≤1.5 |
| 5 | Coating Diameter | | μm | 247±5 | 245±5 | 245±5 | 245±7 | 245±7 |
| 6 | Coating Non-Circularity | | % | ≤6.0 | ≤6.0 | ≤6.0 | ≤6.0 | ≤6.0 |
| 7 | Cladding-Coating Concentricity Error | | μm | <12.0 | ≤12.0 | ≤12.0 | ≤12.0 | ≤12.0 |
| 8 | Cable Cutoff Wavelength | | nm | $\lambda_{cc}$≤1260 | / | / | / | / |
| 9 | Attenuation(max.) | 1310nm | dB/km | ≤0.4 | / | / | / | / |
| | | 1550nm | | ≤0.3 | / | / | / | / |
| 10 | Attenuation Coefficient | 850nm | dB/km | / | ≤2.5 | ≤2.7 | ≤2.5 | ≤2.5 |
| | | 1300nm | | / | ≤0.7 | ≤0.6 | ≤0.6 | ≤0.6 |
| 11 | OFL Bandwidth | 850nm | MHz·km | / | / | / | ≥1500 | ≥3500 |
| | | 1300nm | MHz·km | / | / | / | ≥500 | ≥500 |
| 12 | Effective Modal Bandwidth | 850nm | MHz·km | / | / | / | ≥2000 | ≥4700 |
| | | 1300nm | MHz·km | / | / | / | ≥500 | ≥500 |

## Cable Parameters

| Items | | Specifications | | | | | |
|---|---|---|---|---|---|---|---|
| Fiber Type | | SM/MM | | | | | |
| Tight-buffered Fiber | Material | PVC/LSZH | | | | | |
| | Color | Blue | Orange | Green | Brown | Grey | White |
| | | Red | Black | Yellow | Purple | Pink | Aqua |
| Jacket | Material | LSZH / PVC / TPU | | | | | |
| | Strength Member | Aramid yarn | | | | | |
| | Color | Blue | Orange | Green | Brown | Grey | White |
| | | Red | Black | Yellow | Purple | Pink | Aqua |

## Mechanical and Environmental Characteristics

| Items | Unite | Specifications |
|---|---|---|
| Tension(Long Term) | N | 40 |
| Tension (Short Term) | N | 80 |
| Crush（Long Term） | N/10cm | 100 |
| Crush（Short Term） | N/10cm | 200 |
| Min. Bend Radius（Dynamic） | mm | 20D |
| Min. Bend Radius（Static） | mm | 10D |
| Operating Temperature | ℃ | -20～+60 |
| Storage Temperature | ℃ | -20～+60 |

## Packing

Standard delivery lengths are 1km,2km, 3km, 4km,5km, with a tolerance of -1%～+3%

| Fiber Count | Cable diameter(mm) | Tight-buffered diameter (mm) | Drum Length (m) | Weight (Net). (kg) | Tension (Long Term) | Tension (Short Term) |
|---|---|---|---|---|---|---|
| 4 | 4.8±0.2 | 0.9 | 1000 | 19 | 100 | 250 |
| 6 | 5.2±0.2 | 0.9 | 1000 | 23 | 120 | 300 |
| 8 | 5.5±0.2 | 0.9 | 1000 | 25 | 135 | 340 |
| 12 | 6.3±0.2 | 0.9 | 1000 | 29 | 200 | 600 |
| 16 | 7.5±0.2 | 0.9 | 1000 | 48 | 220 | 660 |
| 24 | 8.3±0.4 | 0.9 | 1000 | 60 | 240 | 720 |
| 48 | 12.0±0.5 | 0.9 | 1000 | 122 | 400 | 1000 |